We create chemistry

# Safety Data Sheet
## Attagel® 40



## 1. Identification

### Product identifier used on the label

# Attagel® 40

### Recommended use of the chemical and restriction on use
Recommended use*: for industrial use only
Suitable for use in industrial sector: chemical industry

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

### Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

### Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

### Other means of identification
Chemical family: silicates

## 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### Classification of the product

No need for classification according to GHS criteria for this product.

### Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

| CAS Number | Weight % | Chemical name |
|---|---|---|
| 14808-60-7 | >= 1.0 - <= 10.0% | Quartz (SiO2) |
| 1309-48-4 | < 3.0% | magnesium oxide |
| 14808-60-7 | < 1.0% | Quarz (SiO2), respirable particles |

## 4. First-Aid Measures

### Description of first aid measures

**General advice:**
Remove contaminated clothing.

**If inhaled:**
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**
Wash thoroughly with soap and water.

**If in eyes:**
Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

**If swallowed:**
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

### Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

### Special hazards arising from the substance or mixture
Hazards during fire-fighting:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Use personal protective clothing.

### Environmental precautions
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Contain with dust binding material and dispose of.
Avoid raising dust.

## 7. Handling and Storage

### Precautions for safe handling
Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:
No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

## 8. Exposure Controls/Personal Protection

**Components with occupational exposure limits**

| | | |
|---|---|---|
| Quartz (SiO2) | OSHA PEL | PEL 0.05 mg/m3 Respirable dust ; |
| magnesium oxide | OSHA PEL | PEL 15 mg/m3 Total particulate ; TWA value 10 mg/m3 Total particulate ; |
| | ACGIH TLV | TWA value 10 mg/m3 Inhalable fraction ; |

**Advice on system design:**
Provide local exhaust ventilation to control dusts/mists.

**Personal protective equipment**

**Respiratory protection:**
When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

**Hand protection:**
Chemical resistant protective gloves

**Eye protection:**
Safety glasses with side-shields. Wear face shield if splashing hazard exists.

**Body protection:**
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

**General safety and hygiene measures:**
Eye wash fountains and safety showers must be easily accessible.

## 9. Physical and Chemical Properties

| | |
|---|---|
| Form: | powder |
| Odour: | odourless |
| Odour threshold: | not determined |
| Colour: | tan |
| pH value: | 8.5 - 10.5<br>( 2 %(m)) |
| Flash point: | Non-flammable. |
| Flammability: | not determined |
| Lower explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |
| Upper explosion limit: | Study does not need to be conducted. |
| Autoignition: | Study does not need to be conducted. |
| Vapour pressure: | not applicable |
| Density: | > 1.0 g/cm3<br>(approx. 20 °C) |
| Relative density: | > 1.0<br>(approx. 20 °C) |
| Bulk density: | 368 - 880 kg/m3 |
| Vapour density: | The product is a non-volatile solid. |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable |
| Self-ignition temperature: | not self-igniting |
| Thermal decomposition: | not determined |

| | |
|---|---|
| Viscosity, dynamic: | not applicable |
| Particle size: | No data available. |
| Solubility in water: | insoluble |
| Solubility (quantitative): | not available |
| Evaporation rate: | The product is a non-volatile solid. |

## 10. Stability and Reactivity

### Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:
not fire-propagating

### Chemical stability
The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

### Conditions to avoid
Caution: Calcined Attapulgite products are sold at 1%-9% free surface moisture depending on the grade. In contact with turpentine, vegetable oil and other unsaturated organic compounds, heat may be generated when the Attapulgite is at uncommonly low free moisture levels.

### Incompatible materials
unsaturated organic compounds, vegetable oils

### Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
not determined

## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral
Type of value: LD50
Species: rat
Value: > 5,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Inhalation
Type of value: LC50
not determined

Dermal
Type of value: LD50
not determined

Irritation / corrosion
Assessment of irritating effects: Not expected to be an eye irritant. Not expected to be a skin irritant. Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. The product has not been tested. The statement has been derived from the properties of the individual components.

Skin
Species: rabbit
not determined

Eye
Species: rabbit
not determined

Sensitization
Assessment of sensitization: The chemical structure does not suggest a sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Aspiration Hazard
No aspiration hazard expected.

### Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: NIOSH has studied the exposure effects of Attapulgite, which contains crystalline silica, on pulmonary function and has determined that there is no evidence of significant respiratory morbidity.

Genetic toxicity
Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity
Assessment of carcinogenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

*Information on: Quarz (SiO2), respirable particles*
*Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosolsis classified by the German MAK commision as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.*
*NTP listed carcinogen*

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Reproductive toxicity
Assessment of reproduction toxicity: The data available for an assessment of the effect of the substance on reproduction are not sufficient for a proper evaluation.

Teratogenicity
Assessment of teratogenicity: No data available.

Other Information
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

## 12. Ecological Information

### Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
At the present state of knowledge, no negative ecological effects are expected.

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish
LC50 (96 h) > 100 mg/l, Fish
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic invertebrates
LC50 (48 h) > 100 mg/l, daphnia
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic plants
EC50 (72 h) > 100 mg/l, algae
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Microorganisms/Effect on activated sludge

Toxicity to microorganisms
bacteria/EC50 (0.5 h): > 100 mg/l
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Persistence and degradability

Assessment biodegradation and elimination (H2O)
Inorganic product which cannot be eliminated from water by biological purification processes.

### Additional information

Other ecotoxicological advice:
The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

## 13. Disposal considerations

**Waste disposal of substance:**
Dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container disposal:**
Dispose of in a licensed facility. Empty containers or liners may retain product residues. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

## 14. Transport Information

**Land transport**
USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**
IATA/ICAO

Not classified as a dangerous good under transport regulations

## 15. Regulatory Information

**Federal Regulations**

**Registration status:**
Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

**State regulations**

| State RTK | CAS Number | Chemical name |
|---|---|---|
| NJ | 1309-48-4 | magnesium oxide |
| | 14808-60-7 | Quartz (SiO2) |
| PA | 1309-48-4 | magnesium oxide |
| | 14808-60-7 | Quartz (SiO2) |

**Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including SILICA, CRYSTALLINE (AIRBORNE PARTICLES OF RESPIRABLE SIZE), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

**NFPA Hazard codes:**
Health: 1 Fire: 0 Reactivity: 0 Special:

## 16. Other Information

**SDS Prepared by:**
BASF NA Product Regulations
SDS Prepared on: 2018/07/13

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END OF DATA SHEET